

2661 # 19 Atty. Docket No.: 30390-802-23-a

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hiroshi Harada et al.)	Group Art Unit:	2661
Serial No.:	09/865,165)	Examiner:	Unknown
Filed:	May 24, 2001)		RECEIVED
For:	RECEIVER, RECEIVING METHOD, AND RECORDING MEDIUM WHICH RECORDS PROGRAM FOR RECEIVING DATA SIGNALS)))		FEB 2 0 2004

San Diego, California 11 February 2004

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Technology Center 2600

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir or Madam:

Commissioner for Patents

Alexandria, Virginia 22313-1450

P.O. Box 1450

In accordance with 37 C.F.R. § 1.56, Applicants make the below-listed documents of record in the above-identified application. In accordance with 37 C.F.R. § 1.97, this statement is not to be construed as a representation that a search has been made, and is not a representation that the information cited is effective as prior art to the application or is material to patentability.

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail on the date shown be	low
with sufficient postage in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.	

Date of Deposit:

11 February 2004

Signature:

Amy M. Sheridan

Foreign Patent Documents

- 1. European Patent Office Application No. EP 0 998 068 A (Sony Corporation), published 3 May 2000.
- 2. United Kingdom Patent Application No. GB 2 271 916 A (Roke Manor Research), published 27 April 1994.

Other Documents

- 3. Bossert et al., "Channel Estimation and Equalization in Orthogonal Frequency Division Multiplexing Systems", Mobile Kommunikation, Vortrage de ITG-Fachberichte, Berlin, Germany (26 September 1995) vol. 135:485-492.
- 4. Mignone et al., "CD3-0FDM: A New Channel Estimation Method to Improve the Spectrum Efficiency in Digital Terrestrial Television Systems", International Broadcasting Convention XX, (14 September 1995) Conference Publication No. 413, pgs. 122-128.

* * *

Copies of the above-listed documents, which are listed on the accompanying Form PTO/SB/08A (submitted in duplicate), are enclosed.

In accordance with 37 C.F.R. § 1.97(b), this supplemental information disclosure statement shall be fully considered by the U.S. Patent & Trademark Office since Applicant has filed before the mailing of a first Office Action on the merits.

It is respectfully requested that these documents be (1) fully considered by the U.S. Patent and Trademark Office in the examination of the above-identified application; and (2) printed on any patent which may issue on this application. It is also respectfully requested that a copy of Form PTO/SB/08, as considered and initialed by the Examiner, be returned to the undersigned with the next communication in accordance with M.P.E.P. § 609.

It is believed that no fee is required in connection with this submission. In the event that a fee is required, please charge our Deposit Account No. 50-2298, in the name of Luce, Forward, Hamilton & Scripps LLP.

Respectfully submitted,

Mitchell P. Brook

Attorney for Applicant(s)

Reg. No. 32,967

c/o LUCE, FORWARD, HAMILTON

& SCRIPPS

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of 2 Sheet

Complete if Known				
Application Number	09/865,165			
Filing Date	24 May 2001			
First Named Inventor	HARADA			
Art Unit	2661			
Examiner Name	Unknown			
Attorney Docket Number	30390-8	_		

	U.S. PATENT DOCUMENTS						
Examiner Initlals		Document Number Number - Kind Code ² (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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	FOREIGN PATENT DOCUMENTS							
Examiner Initials		Foreign Patent Document Country Code 3 "Number 4" - Kind Code 4" (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	⊤ 6		
		EP 0 998 068 A	03-05-2000	Sony Corporation				
		GB 2 271 916 A	04-27-1994	Roke Manor Research		ļ		
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Examiner Signature	Date Considered	

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Applicant's unique citation designation number (optional).

See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

Applicant's unique citation designation number (optional).

For Japanese patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. English language Translation is attached.



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(use as many sheets as necessary) Sheet No. 2

Complete if Known				
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First Named Inventor	HARADA			
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Systems", Mobile Kommunikation, Vortrage de ITG-Fachberichte, Berlin, Germany (26 1995) vol. 135:485-492. Mignone et al., "CD3-0FDM: A New Channel Estimation Method to Improve the Spectruin Digital Terrestrial Television Systems", International Broadcasting Convention XX, (1 1995) Conference Publication No. 413, pgs. 122-128.	Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the ltem (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
in Digital Terrestrial Television Systems", International Broadcasting Convention XX, (1. 1995) Conference Publication No. 413, pgs. 122-128. RECEIVE		-	Bossert et al., "Channel Estimation and Equalization in Orthogonal Frequency Division Multiplexing Systems", Mobile Kommunikation, Vortrage de ITG-Fachberichte, Berlin, Germany (26 September 1995) vol. 135:485-492.	
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